C E R T I F I C A T E

of Conformity

EC Council Directive 2004/108/EC

Electromagnetic Compatibility

TÜVRheinland®

Registration No.: AE 50271639 0001

Report No.: 17036998 001

Holder:
SHEN ZHEN UNIVIEW LED CO., LTD
Bldg.A, Uniview Park, langqin
road(SZ Clothing Base), Baoan District
Shenzhen518109
P.R. China

Product:
Display Unit
(P8.928 LED Dance Floor)

Identification:
Type Designation: BEON8.928
Serial No.: n.a.
Remark: Refer to test report 17036998 001 for details.

Tested acc. to:
EN 55022:2010
EN 61000-3-2:2006+A1+A2
EN 61000-3-3:2008
EN 55024:2010

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex I of Council Directive 2004/108/EC. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to the a.m. Directive.

Certification Body

Date 06.12.2013

Sean Pan

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may only be used if all relevant and effective EC Directives are complied with. CE

TÜV Rheinland (China) Ltd.
Member of TÜV Rheinland Group

TÜVRheinland®
Precisely Right.

SHEN ZHEN UNIVIEW LED CO., LTD
Guo Chang
-
Bldg.A, Uniview Park, langqin road(SZ Clothing Base), Baoan District
Shenzhen518109
P.R. China

Date : 06.12.2013
Our ref. : LVFRED 02
Your ref.: G.C.

Ref : AE Certificate of Conformity EMC

Type of Equipment : P8.928 LED Dance Floor
Model Designation : See Certificate
Certificate No. : AE 50271639 0001
Report No. : 17036998 001

Dear Guo Chang,

We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

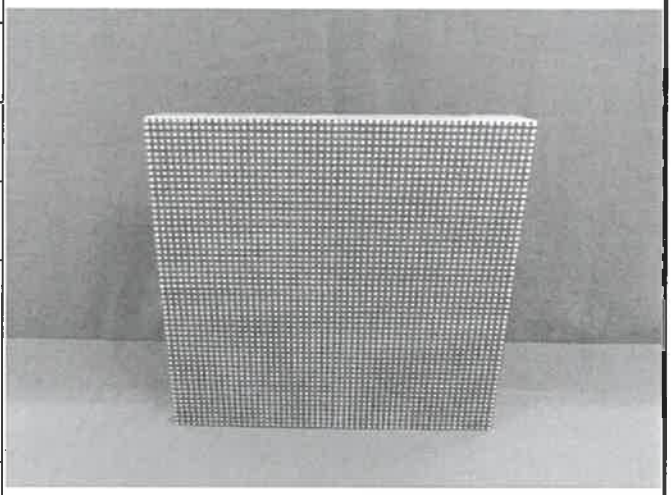
With kind regards,

Certification Body

Sean Pan

Enclosure

Prüfbericht-Nr.: *Test Report No.:*	**17036998 001**	**Auftrags-Nr.:** *Order No.:*	164004474	Seite 1 von 26 *Page 1 of 26*
Kunden-Referenz-Nr.: *Client Reference No.:*	492644	**Auftragsdatum:** *Order date.:*	04 Nov. 2013	
Auftraggeber: *Client:*	SHEN ZHEN UNIVIEW LED CO., LTD Bldg.A, Uniview Park, Langqin road (SZ Clothing Base), Baoan District, Shenzhen518109, P.R. China			
Prüfgegenstand: *Test item:*	P8.928 LED Dance Floor			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	BEON8.928			
Auftrags-Inhalt: *Order content:*	TUV Rheinland - EMC service			
Prüfgrundlage: *Test specification:*	EN 55022:2010 EN 61000-3-2:2006+A1+A2 EN 61000-3-3:2008 EN 55024:2010			
Wareneingangsdatum: *Date of receipt:*	04 November 2013			
Prüfmuster-Nr.: *Test sample No.:*	A000029895-001			
Prüfzeitraum: *Testing period:*	Refer to test report			
Ort der Prüfung: *Place of testing:*	Audix Technology (Shenzhen) Co., Ltd.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd. 3&4 F, Cybio Technology Building No. 1, Langshan No. 2 Road South, 5th Industrial Area, High-Tech Industry Park North, Nanshan District, 518057, Shenzhen, P. R. China			
Prüfergebnis*: *Test result*:*	Pass			



geprüft von / *tested by:*

Datum *Date*	Name/Stellung *Name/Position*	Unterschrift *Signature*
05.12.2013	Fred Lv Project Engineer	Fred.lv

kontrolliert von / *reviewed by:*

Datum *Date*	Name/Stellung *Name/Position*	Unterschrift *Signature*
05.12.2013	Tongle Lee Project Manager	Tongle Lee

Sonstiges / *Other:*

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: Test item complete and undamaged

* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut	3 = befriedigend F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	4 = ausreichend N/A = nicht anwendbar	5 = mangelhalt N/T = nicht getestet
Legend:	1 = very good P(ass) = passed a.m. test specifications(s)	2 = good	3 = satisfactory F(ail) = failed a.m. test specifications(s)	4 = sufficient N/A = not applicable	5 = poor N/T = not tested

TEST SUMMARY

5.1.1 HARMONICS ON AC MAINS
RESULT: Passed

5.1.2 VOLTAGE FLUCTUATIONS ON AC MAINS
RESULT: Passed

5.1.3 CONDUCTED DISTURBANCE AT MAINS TERMINAL
RESULT: Passed

5.2.1 RADIATED EMISSION
RESULT: Passed

6.2.1 RADIO-FREQUENCY ELECTROMAGNETIC FIELD AMPLITUDE MODULATED (RS)
RESULT: Passed

6.2.2 RADIO-FREQUENCY CONTINUOUS CONDUCTED (CS)
RESULT: Passed

6.3.1 FAST TRANSIENTS (EFT)
RESULT: Passed

6.3.2 SURGE
RESULT: Passed

6.3.3 ELECTROSTATIC DISCHARGES (ESD)
RESULT: Passed

6.4.1 VOLTAGE DIP AND INTERRUPTIONS
RESULT: Passed

Contents

1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test result

Appendix 2: Measurement uncertainties

2. Test Sites

2.1 Test Facilities

Audix Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industry Park,
Nantou, Shenzhen, Guangdong, China

The tests at the test site have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Conducted Disturbance at Mains Terminal				
Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Oct. 31, 13
L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Oct. 31, 13
Terminator	Hubersuhner	50	No. 1	May. 08, 14
RF Cable	Fujikura	3D-2W	No.1	May. 08, 14
Coaxial Switch	Anritsu	MP59B	M50564	May. 08, 14
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May. 08, 14
Radiated Emission				
3#Chamber	AUDIX	N/A	N/A	Nov. 24, 13
EMI Spectrum	Agilent	E4407B	MY41440292	May. 08, 14
Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May. 08, 14
Amplifier	HP	8447D	2648A04738	May. 08, 14
Amplifier	Agilent	8449B	3008A00863	May. 08, 14
Bilog Antenna	TESEQ	CBL6112D	35375	May. 30, 14
Horn Antenna	EMCO	3115	9510-4580	May. 28, 14
RF Cable	MIYAZAKI	CFD400-NL	3# Chamber No.1	May. 08, 14
Coaxial Switch	Anritsu	MP59B	M74389	May. 08, 14
Radio-Frequency Electromagnetic Field Amplitude Modulated				
2#Chamber	AUDIX	N/A		N/A
Signal Generator	Agilent	N5181A	MY49061013	Nov. 05,13
Amplifier	A&R	100W/1000M1	17028	N/A
Power Meter	Anritsu	ML2487A	6K00002472	May. 08, 14
Power Sensor	Anritsu	MA2491A	032516	May. 08, 14
Log-periodic Antenna	A&R	AT1080	16512	N/A
EFT				
Burst Tester	TESEQ	NSG3025	28017	May. 08, 14
CDN	TESEQ	CDN8014	29638	May. 08, 14
SURGE				
Surge Tester	HAEFELY	PSURGE4.1	083519-12	May. 08, 14
Voltage Dip and Interruptions				

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Main Interference Simulator	HAEFELY	PLINE 1610	083690-05	May. 08, 14
Radio-Frequency Continuous Conducted (CS)				
Signal Generator	Agilent	N5181A	MY49061013	Nov. 05, 13
Amplifier	AR	25A250A	19152	N/A
Power meter	HP	436A	2016A07891	May. 08, 14
Power sensor	Agilent	8482B	MY41090514	Nov. 23, 13
CDN	FCC	FCC-801-M2-25	47	May. 08, 14
PC	N/A	N/A	N/A	N/A
Attenuator	Weinschel	40-6-34	LJ092	May. 08, 14
EM Injection Clamp	FCC	F-203I-23mm	403	May. 08, 14
RF Cable	MICABLE	A04-07-07-2M	09111340	N/A
Harmonic & Flickers				
Compliance Test System	California Instruments	5001ix	58481	Oct. 31, 13
Compliance Test System	California Instruments	PACS-1	72627	Oct. 31, 13
ESD				
ESD Tester	EM Test	Dito	V0503100053	Dec. 03, 13

3. General Product Information

3.1 Product Function and Intended Use

The EUT is P8.928 LED Dance Floor used for information technology equipment.

For more information refer to the Circuit Diagram & Instruction Manual.

3.2 Ratings and System Details

System Input Voltage:	AC 100-240V
Rated Frequency:	50/60Hz
Rated Output Voltage:	AC 100-240V
Rated Input Current:	0.9A (Max. 10.8A)
Rated Output Current:	9.9A (Max.)
Protection class:	I

3.3 Independent Operation Modes

The basic operation modes are:

A. On.
   1. Running “H” Pattern
   2. Displaying white light

B. Off.

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Circuit Diagram
- Instruction Manual
- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

Immunity: The equipment under test (EUT) was configured to have its highest possible susceptibility against the tested phenomena. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5 & 6.
Pre-test was carried out at all operation modes & different voltages to find out the worst case for compliance test.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Item	Manufacturer	M/N	S/N
PC	acer	Pew71	N/A
LED Controller	DBStar	DBT2009	N/A

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

5. Test Results EMISSION

5.1 Emission in the Frequency Range up to 30 MHz

5.1.1 Harmonics on AC Mains

RESULT: **Passed**

Date of testing	:	2013-10-26
Test procedure	:	EN 61000-3-2:2006+A1+A2
Class	:	B
Limit	:	Table 1
Measured harmonics	:	1 – 40

Test setup

Input Voltage	:	AC 230V±2%, 50Hz
Operation Condition	:	According to Annex C.10
Operation mode	:	A
Earthing	:	Connected

Refer to attached Appendix 1.

5.1.2 Voltage Fluctuations on AC Mains

RESULT: **Passed**

Date of testing	:	2013-10-26
Test procedure	:	EN 61000-3-3:2008
Limit	:	Clause 5

Test setup

Input Voltage	:	AC 230V±2%, 50Hz
Operation Condition	:	According to Clause 6.6
Operation mode	:	A
Earthing	:	Connected

Refer to attached Appendix 1.

5.1.3 Conducted Disturbance at Mains Terminal

RESULT: **Passed**

Date of testing	:	2013-10-23
Test standard	:	EN 55022:2010
Frequency range	:	0.15 - 30MHz
Classification	:	Class B
Limits	:	Table 1 & 3 of EN 55022:2010
Kind of test site	:	Shielded room

Test setup

Input Voltage	:	AC 100-240V, 50/60Hz
Operation Condition	:	According to Clause 8 & 9 of EN 55022:2010
Operation mode	:	A
Earthing	:	Connected

Refer to attached Appendix 1.

5.2 Emission in the Frequency Range above 30 MHz

5.2.1 Radiated Emission

RESULT: **Passed**

Date of testing	:	2013-10-23
Test standard	:	EN 55022:2010
Frequency range	:	30 - 6000MHz
Classification	:	Class B
Limits	:	Table 5 & 7 of EN 55022:2010
Kind of test site	:	3m chamber & 10m chamber

Test setup:

Input Voltage	:	AC 100-240V, 50/60Hz
Operation Condition	:	According to Clause 8 & 10 of EN 55022:2010
Operation mode	:	A
Earthing	:	Connected

Refer to attached Appendix 1.

6. Test Results IMMUNITY

6.1 Classification of apparatus

According to EN 55024:2010, the EUT shall be tested in accordance with clause 4, 6 & 10, and comply with the performance criterion in table 1, 2 & 4 of clause 10.

Continuous Disturbance

Radio-Frequency Electromagnetic Field Amplitude Modulated (RS)	**Criterion A**
Radio-Frequency Continuous Conducted (CS)	**Criterion A**
Power-Frequency Magnetic Fields *	**N/A**

Transient Disturbance

Fast Transients (EFT)	**Criterion B**
Surge	**Criterion B & C**
Electrostatic Discharges (ESD)	**Criterion B**

Power supply Alterations

Voltage Dips, >95% reduction, 0.5 period	**Criterion B**
30% reduction, 25 periods	**Criterion C**
Voltage Interruptions, >95% reduction, 250 periods	**Criterion C**

* The EUT doesn't contain devices susceptible to magnetic field, therefore the Power-Frequency Magnetic Fields test is not necessary.

6.2 Continuous Disturbances

6.2.1 Radio-Frequency Electromagnetic Field Amplitude Modulated (RS)

RESULT: **Passed**

Date of Testing	:	2013-10-26
Test Specification	:	EN 55024:2010
Basic Standard	:	IEC 61000-4-3:2006
Criterion	:	A
Frequency Range	:	80 - 1000MHz
Test Level	:	3V/m (Unmodulated, r.m.s.)
Modulation	:	AM 80%, 1kHz sine-wave

Test setup

Input Voltage	:	AC 100-240V, 50/60Hz
Operation Mode	:	A
Ambient temperature	:	See Appendix 1
Relative humidity	:	See Appendix 1
Atmospheric pressure	:	See Appendix 1

Refer to attached Appendix 1.

6.2.2 Radio-Frequency Continuous Conducted (CS)

RESULT: **Passed**

Date of testing	:	2013-10-26
Test Specification	:	EN 55024:2010
Basic Standard	:	IEC 61000-4-6:2008
Criterion	:	A
Frequency range	:	0.15 - 80 MHz
Source impedance	:	150Ω
Test level	:	3V (unmodulated, r.m.s.)
Modulation	:	AM 80%, 1kHz sine-wave
Sweep mode	:	automatic
Sweep rate	:	$< 1.5 \times 10^{-3}$ decade / sec.

Test setup

Input Voltage	:	AC 100-240V, 50/60Hz
Operation Mode	:	A
Ambient temperature	:	See Appendix 1
Relative humidity	:	See Appendix 1
Atmospheric pressure	:	See Appendix 1

Refer to attached Appendix 1.

6.3 Transient Disturbances

6.3.1 Fast Transients (EFT)

RESULT: **Passed**

Date of testing	:	2013-10-29
Test Specification	:	EN 55024:2010
Basic Standard	:	IEC 61000-4-4:2004
Criterion	:	B
Test level	:	±0.5kV & ±1kV
Test duration	:	≥60sec
Rise time	:	5/50ns
Repetition frequency	:	5 kHz

Test setup

Input Voltage	:	AC 100-240V, 50/60Hz
Operation Mode	:	A
Ambient temperature	:	See Appendix 1
Relative humidity	:	See Appendix 1
Atmospheric pressure	:	See Appendix 1

Refer to attached Appendix 1.

6.3.2 Surge

RESULT: **Passed**

Date of testing	:	2013-10-29
Test Specification	:	EN 55024:2010
Basic Standard	:	IEC 61000-4-5:2005
Criterion	:	B & C
Source impedance	:	2Ω,12Ω
Test level	:	±1kV & ±2kV
Coupling phases	:	0°, 90°, 180°, 270°
Number of surges	:	5 (for each combination of parameters)
Repetition rate	:	Max. 1/min

Test Setup

Input Voltage	:	AC 100-240V, 50/60Hz
Operation Mode	:	A
Ambient temperature	:	See Appendix 1
Relative humidity	:	See Appendix 1
Atmospheric pressure	:	See Appendix 1

Refer to attached Appendix 1.

6.3.3 Electrostatic Discharges (ESD)

RESULT: **Passed**

Date of testing	:	2013-10-29
Test Specification	:	EN 55024:2010
Basic Standard	:	IEC 61000-4-2:2001
Criterion	:	B
Charge voltage	:	±2.0kV, ±4.0kV, ±8.0kV (air discharge) ±2.0kV, ±4.0kV (contact discharge)
Number of discharges	:	>10

Test Setup

Input Voltage	:	AC 100-240V, 50/60Hz
Operation Mode	:	A
Ambient temperature	:	See Appendix 1
Relative humidity	:	See Appendix 1
Atmospheric pressure	:	See Appendix 1

Refer to attached Appendix 1.

6.4 Power Supply Alterations

6.4.1 Voltage Dip and Interruptions

RESULT: **Passed**

Date of testing	:	2013-10-26
Test Specification	:	EN 55024:2010
Basic Standard	:	IEC 61000-4-11:2004
Criterion	:	B & C

Test Setup

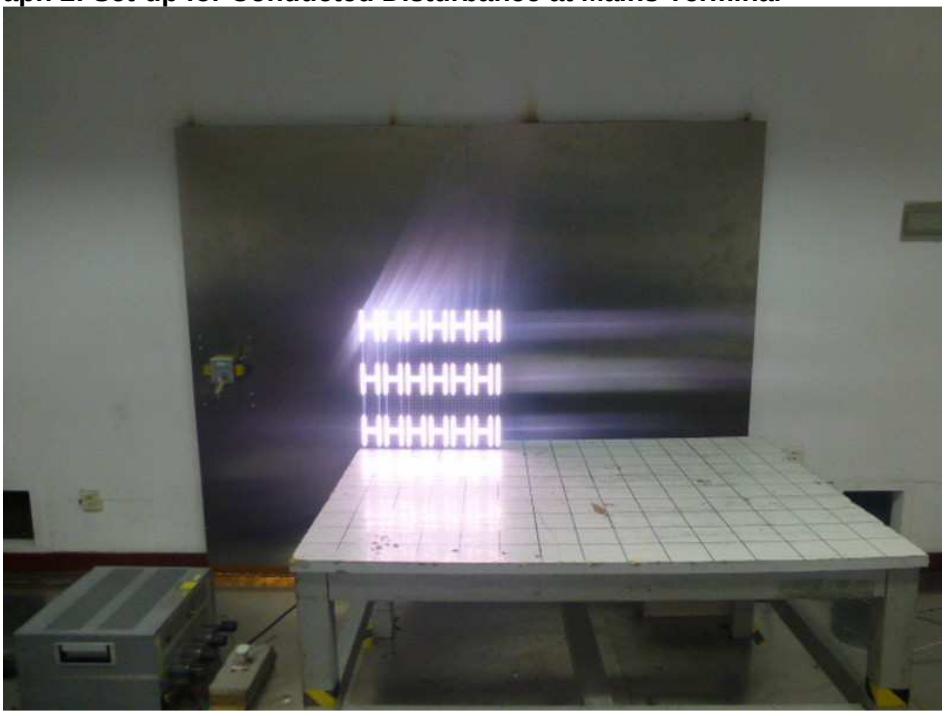
Input Voltage	:	AC 100-240V, 50/60Hz
Operation Mode	:	A
Ambient temperature	:	See Appendix 1
Relative humidity	:	See Appendix 1
Atmospheric pressure	:	See Appendix 1

Refer to attached Appendix 1.

7. Photographs of the Test Set-Up

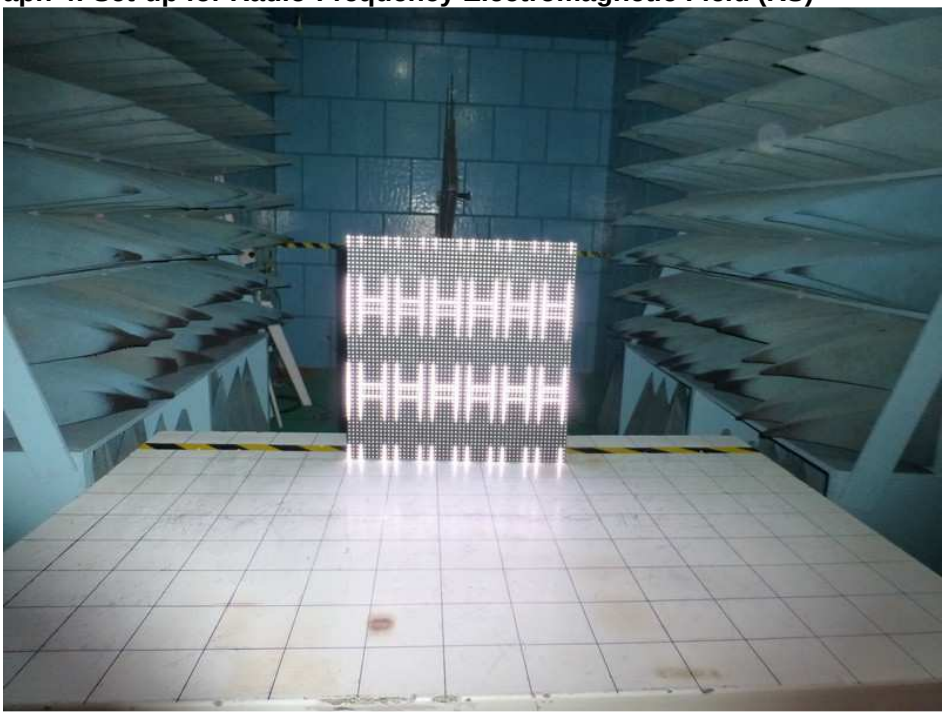
Photograph 1: Set-up for Harmonic and Voltage Fluctuations on AC Mains

Photograph 2: Set-up for Conducted Disturbance at Mains Terminal

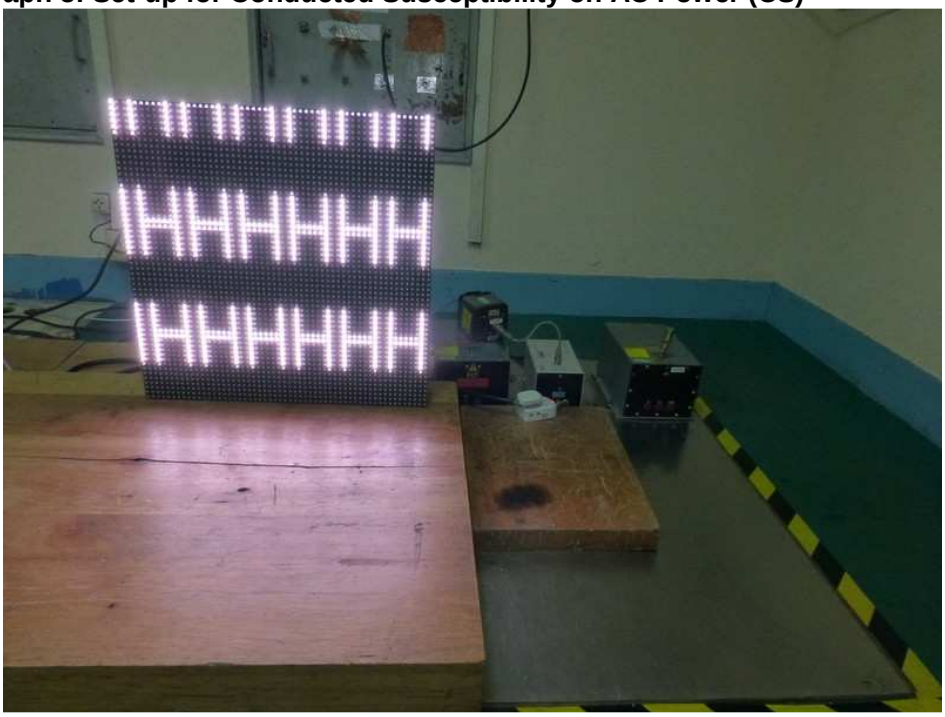


Photograph 3: Set-up for Radiated Emission

Photograph 4: Set-up for Radio-Frequency Electromagnetic Field (RS)

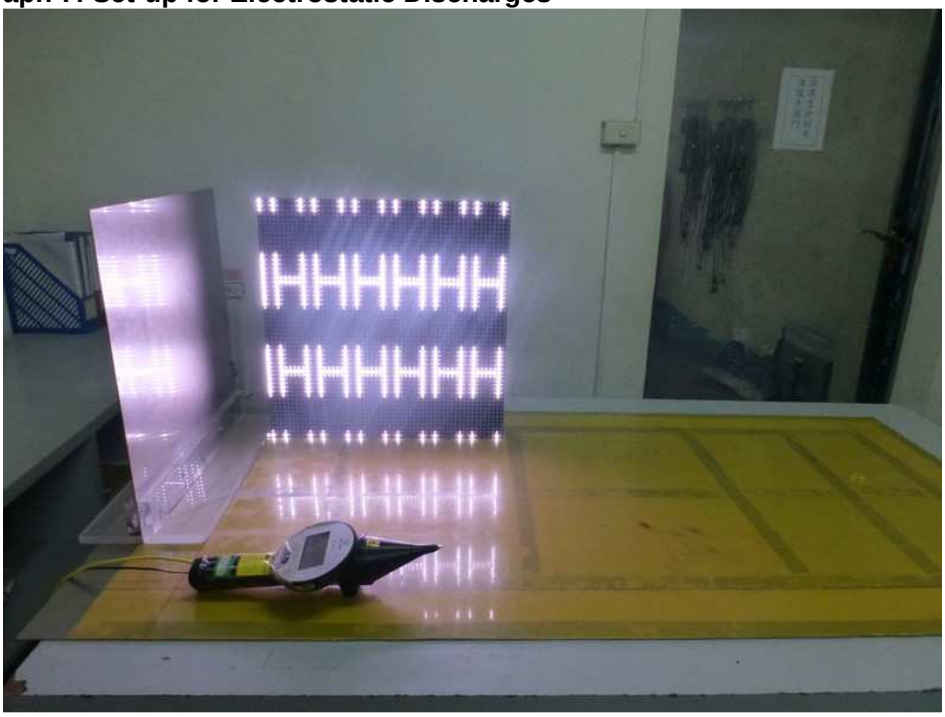


Photograph 5: Set-up for Conducted Susceptibility on AC Power (CS)

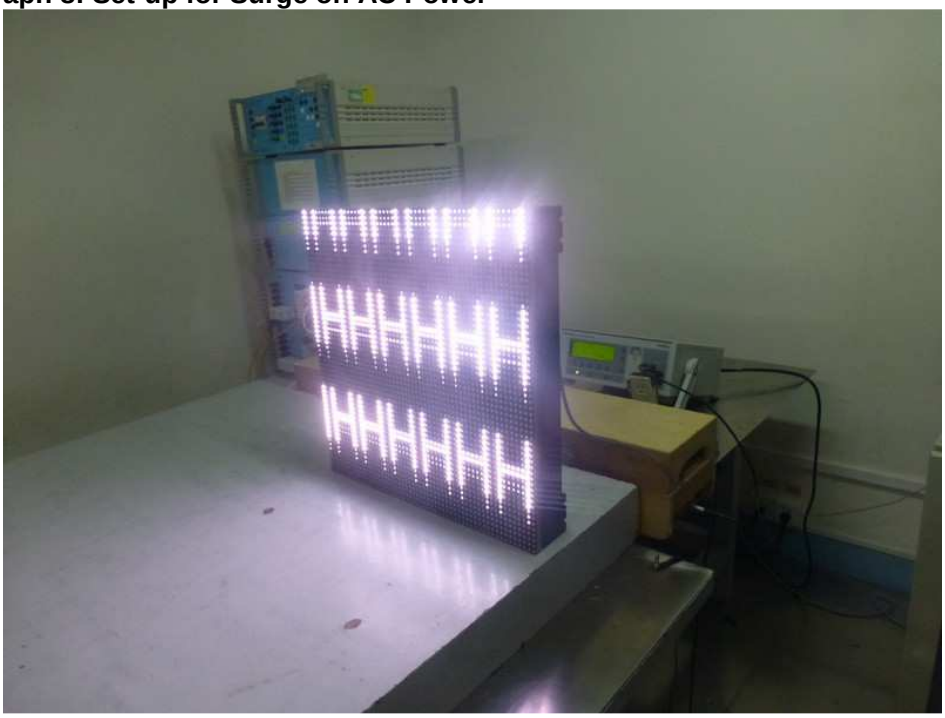


Photograph 6: Set-up for Fast Transients on AC Power

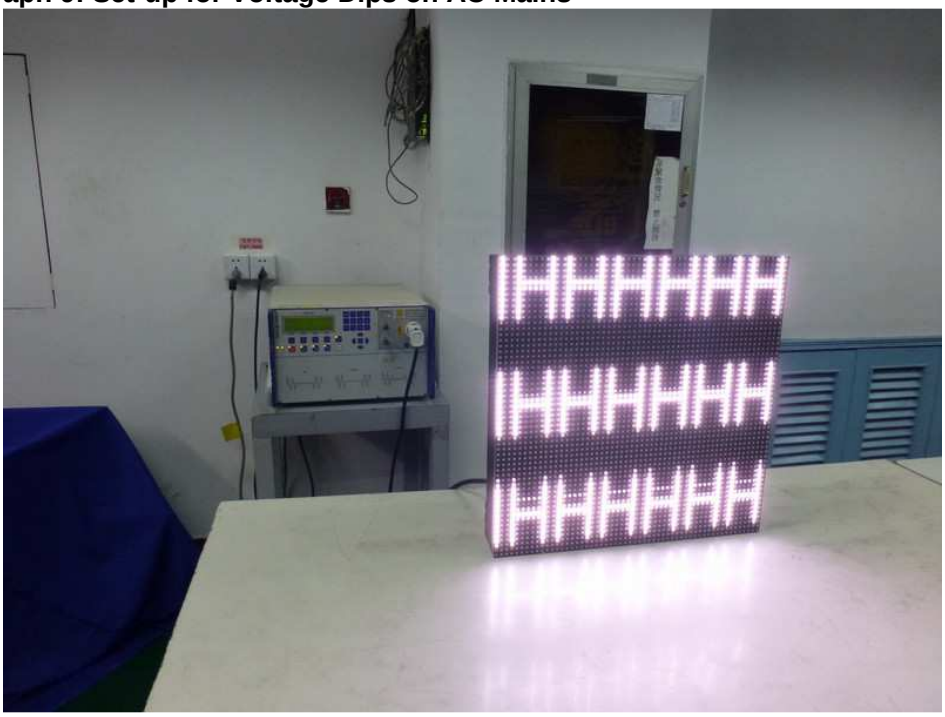
Photograph 7: Set-up for Electrostatic Discharges



Photograph 8: Set-up for Surge on AC Power



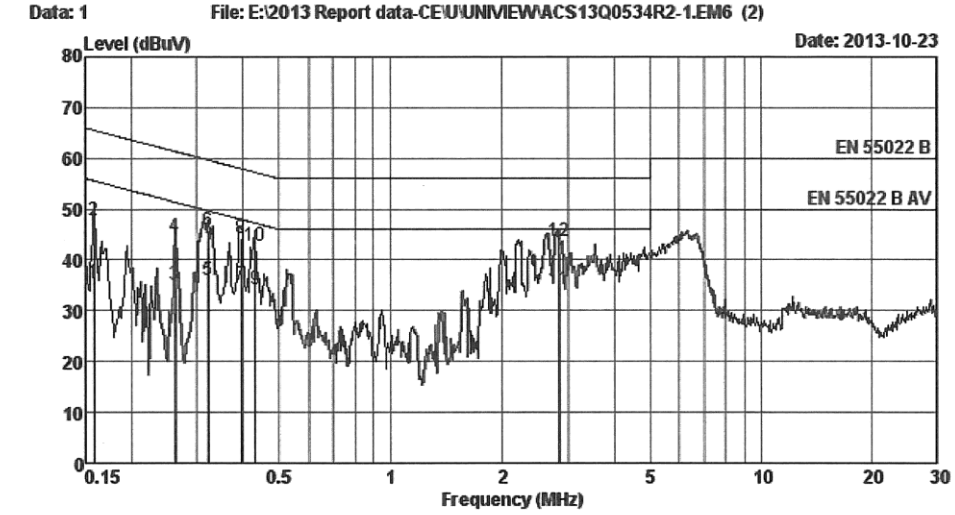
Photograph 9: Set-up for Voltage Dips on AC Mains



8. List of Tables

9. List of Photographs

No.6 Ke Feng Road,B1;ck 52,
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



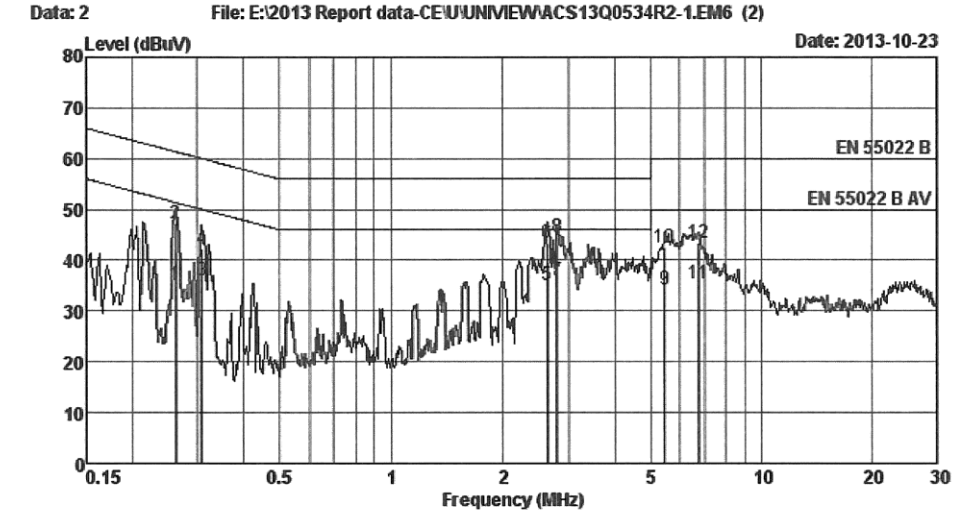
Site no :2# CE
Data No :1
Dis./Lisn :13 ENV4200 L1
LISN phase:LINE
Limit :EN 55022 B
Env./Ins. :24.0*C/53%
Engineer :Berg_Guo
EUT :P8.928 LED Dance Floor M/N:BEON8.928
Power Rating :AC 230V/50Hz
Test Mode :White Screen

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.1582	9.90	9.96	15.42	35.28	55.56	20.28	Average
2	0.1582	9.90	9.96	28.08	47.94	65.56	17.62	QP
3	0.2616	9.92	9.96	15.23	35.11	51.38	16.27	Average
4	0.2616	9.92	9.96	24.57	44.45	61.38	16.93	QP
5	0.3217	9.93	9.96	16.24	36.13	49.66	13.53	Average
6	0.3217	9.93	9.96	25.93	45.82	59.66	13.84	QP
7	0.3934	9.93	9.96	15.23	35.12	47.99	12.87	Average
8	0.3934	9.93	9.96	24.41	44.30	57.99	13.69	QP
9	0.4305	9.94	9.96	14.27	34.17	47.24	13.07	Average
10	0.4305	9.94	9.96	22.80	42.70	57.24	14.54	QP
11	2.8390	10.03	10.00	14.28	34.31	46.00	11.69	Average
12	2.8390	10.03	10.00	23.76	43.79	56.00	12.21	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

AUDIX

No.6 Ke Feng Road,B1;ck 52,
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no :2# CE Data No :2
Dis./Lisn :13 ENV4200 N LISN phase:NEUTRAL
Limit :EN 55022 B
Env./Ins. :24.0*C/53% Engineer :Berg_Guo
EUT :P8.928 LED Dance Floor M/N:BEON8.928
Power Rating :AC 230V/50Hz
Test Mode :White Screen

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.2616	9.81	9.96	15.42	35.19	51.38	16.19	Average
2	0.2616	9.81	9.96	27.52	47.29	61.38	14.09	QP
3	0.3083	9.81	9.96	16.32	36.09	50.02	13.93	Average
4	0.3083	9.81	9.96	22.31	42.08	60.02	17.94	QP
5	2.6360	9.85	9.99	15.25	35.09	46.00	10.91	Average
6	2.6360	9.85	9.99	23.55	43.39	56.00	12.61	QP
7	2.7942	9.86	10.00	16.22	36.08	46.00	9.92	Average
8	2.7942	9.86	10.00	24.68	44.54	56.00	11.46	QP
9	5.4763	9.90	10.04	14.28	34.22	50.00	15.78	Average
10	5.4763	9.90	10.04	22.43	42.37	60.00	17.63	QP
11	6.7691	9.91	10.05	15.42	35.38	50.00	14.62	Average
12	6.7691	9.91	10.05	23.47	43.43	60.00	16.57	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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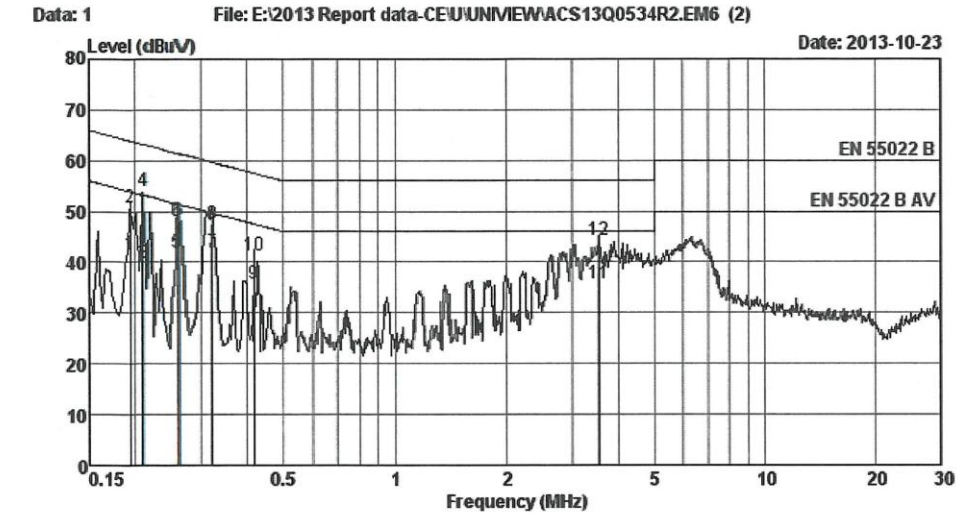

Site no :2# CE
Dis./Lisn :13 ENV4200 L1
Limit :EN 55022 B
Env./Ins. :24.0*C/53%
EUT :P8.928 LED Dance Floor M/N:BEON8.928
Power Rating :AC 230V/50Hz
Test Mode :Running "H" Pattern

Data No :1
LISN phase:LINE
Witness :Mark
Engineer :Kim

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.194	9.92	9.96	21.60	41.48	53.84	12.36	Average
2	0.194	9.92	9.96	30.82	50.70	63.84	13.14	QP
3	0.210	9.92	9.96	20.10	39.98	53.21	13.23	Average
4	0.210	9.92	9.96	34.10	53.98	63.21	9.23	QP
5	0.262	9.92	9.96	22.10	41.98	51.37	9.39	Average
6	0.262	9.92	9.96	28.20	48.08	61.37	13.29	QP
7	0.322	9.93	9.96	21.90	41.79	49.66	7.87	Average
8	0.322	9.93	9.96	27.50	47.39	59.66	12.27	QP
9	0.417	9.93	9.96	15.70	35.59	47.51	11.92	Average
10	0.417	9.93	9.96	21.54	41.43	57.51	16.08	QP
11	3.565	10.04	10.01	15.79	35.84	46.00	10.16	Average
12	3.565	10.04	10.01	24.09	44.14	56.00	11.86	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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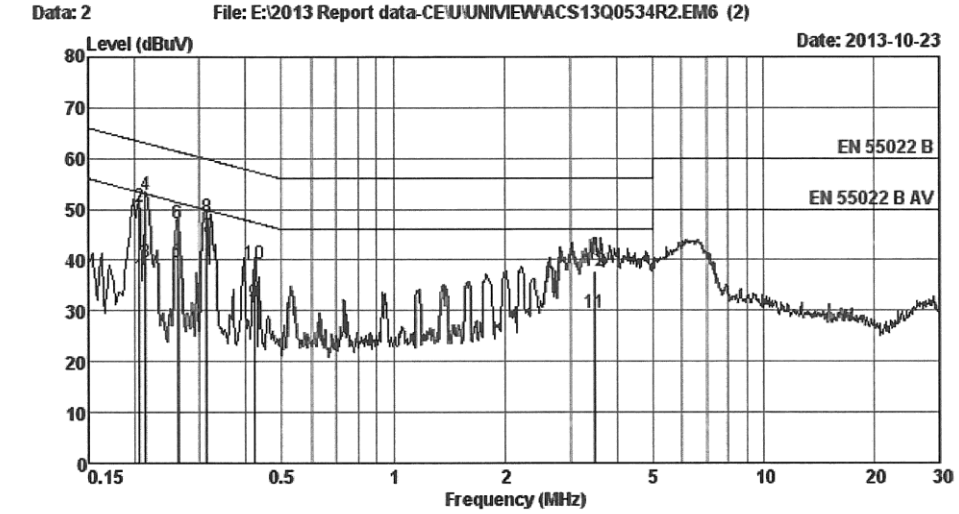

Site no :2# CE
Dis./Lisn :13 ENV4200 N
Limit :EN 55022 B
Env./Ins. :24.0*C/53%
EUT :P8.928 LED Dance Floor M/N:BEON8.928
Power Rating :AC 230V/50Hz
Test Mode :Running "H" Pattern

Data No :2
LISN phase:NEUTRAL
Witness :Mark
Engineer :Kim

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.206	9.81	9.96	16.90	36.67	53.37	16.70	Average
2	0.206	9.81	9.96	30.80	50.57	63.37	12.80	QP
3	0.214	9.81	9.96	19.80	39.57	53.05	13.48	Average
4	0.214	9.81	9.96	33.20	52.97	63.05	10.08	QP
5	0.262	9.81	9.96	19.80	39.57	51.38	11.81	Average
6	0.262	9.81	9.96	27.52	47.29	61.38	14.09	QP
7	0.314	9.81	9.96	24.80	44.57	49.86	5.29	Average
8	0.314	9.81	9.96	28.70	48.47	59.86	11.39	QP
9	0.421	9.82	9.96	11.80	31.58	47.42	15.84	Average
10	0.421	9.82	9.96	19.60	39.38	57.42	18.04	QP
11	3.502	9.87	10.01	9.70	29.58	46.00	16.42	Average
12	3.502	9.87	10.01	17.90	37.78	56.00	18.22	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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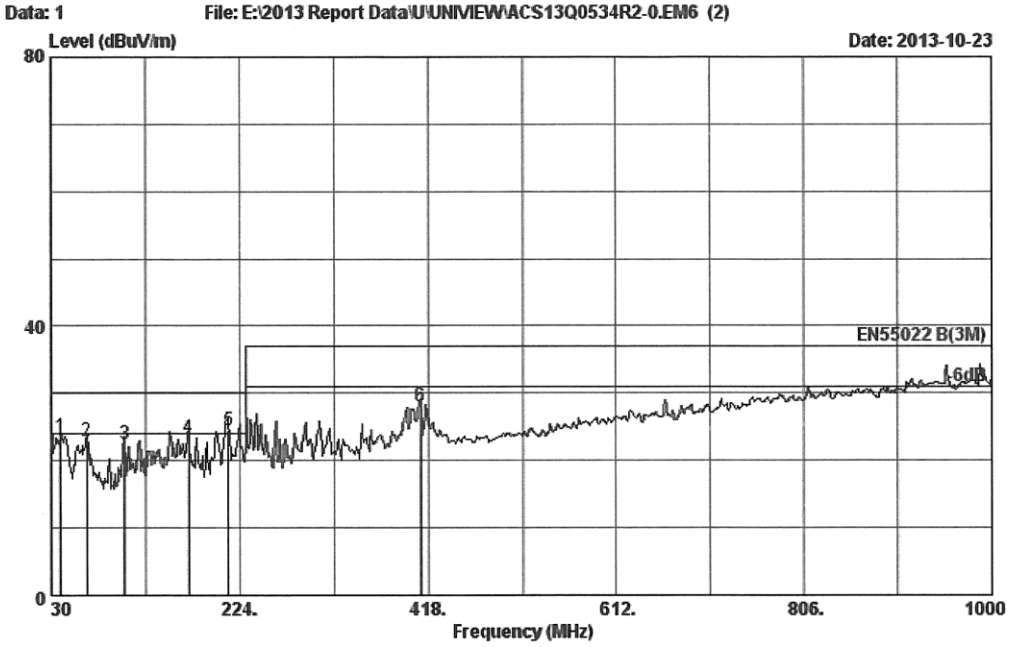

Site no. : 10m Chamber Data no. : 1
Dis. / Ant. : 10m 2013 9168-493 Ant. pol. : VERTICAL
Limit : EN55022 B(3M)
Env. / Ins. : 24*C/56% Engineer : RICHARD
EUT : P8.928 LED Dance Floor M/N:BEON8.928
Power rating : AC 230V/50Hz
Test Mode : White Screen

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	39.700	13.18	3.30	7.10	23.58	30.00	6.42	QP
2	66.860	12.41	3.53	6.93	22.87	30.00	7.13	QP
3	105.660	9.65	3.73	9.17	22.55	30.00	7.45	QP
4	171.620	12.74	4.09	6.58	23.41	30.00	6.59	QP
5	212.360	9.95	4.25	10.41	24.61	30.00	5.39	QP
6	410.240	15.80	4.93	7.37	28.10	37.00	8.90	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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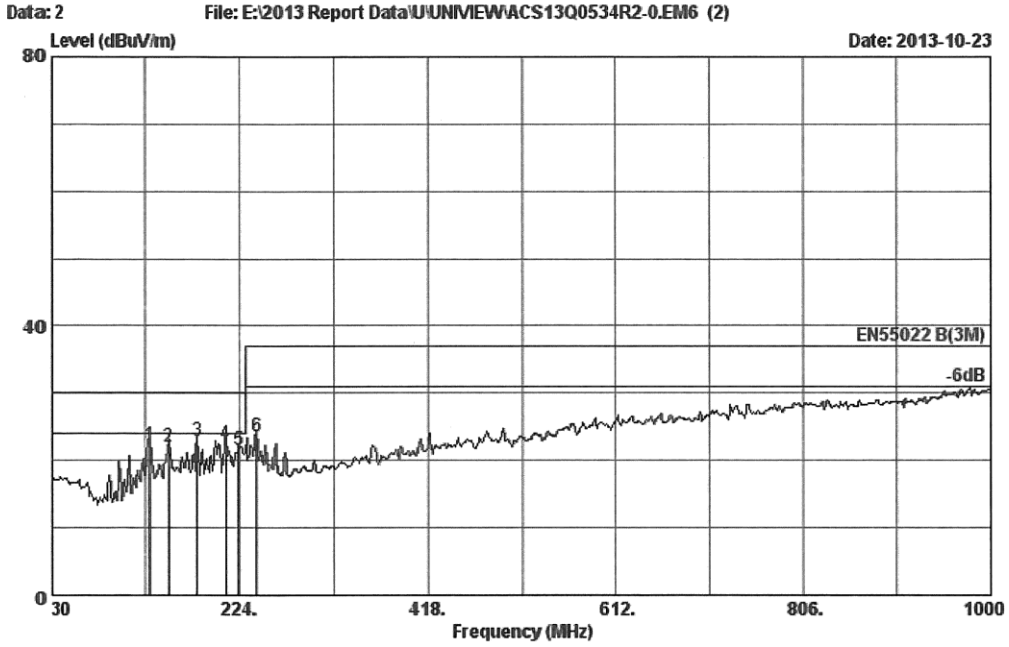

Site no. : 10m Chamber Data no. : 2
Dis. / Ant. : 10m 2013 9168-429 Ant. pol. : HORIZONTAL
Limit : EN55022 B(3M)
Env. / Ins. : 24*C/56% Engineer : RICHARD
EUT : P8.928 LED Dance Floor M/N:BEON8.928
Power rating : AC 230V/50Hz
Test Mode : White Screen

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	131.850	12.17	3.53	6.66	22.36	30.00	7.64	QP
2	151.250	13.41	3.61	5.07	22.09	30.00	7.91	QP
3	180.350	10.89	3.72	8.27	22.88	30.00	7.12	QP
4	210.420	9.56	3.84	9.20	22.60	30.00	7.40	QP
5	223.030	10.35	3.89	7.37	21.61	30.00	8.39	QP
6	241.460	11.09	3.97	8.47	23.53	37.00	13.47	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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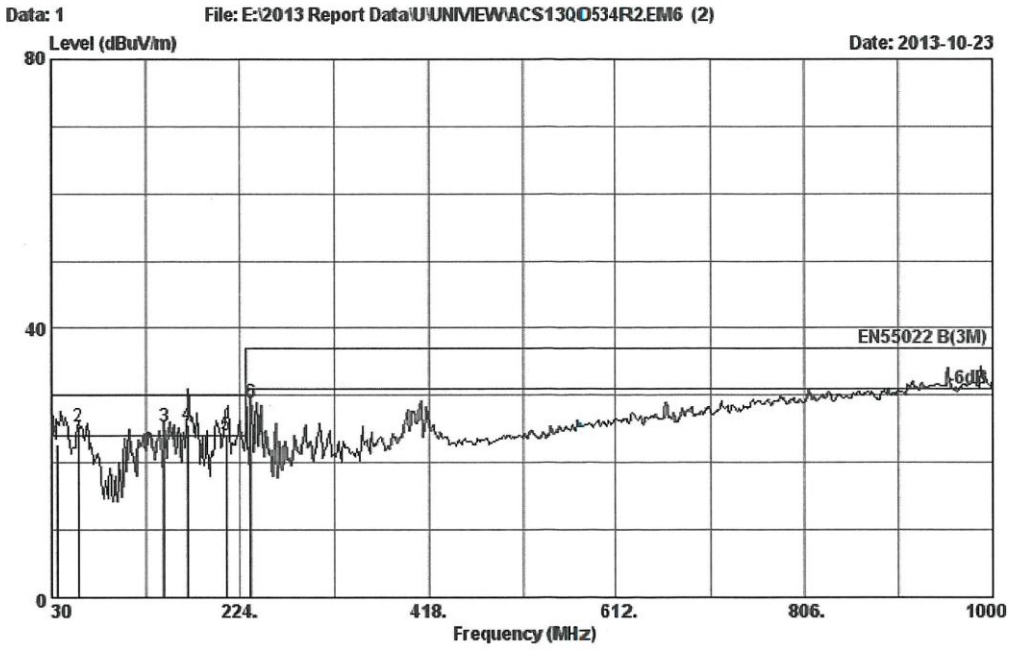

Site no. : 10m Chamber Data no. : 1
Dis. / Ant. : 10m 2013 9168-493 Ant. pol. : VERTICAL
Limit : EN55022 B(3M)
Env. / Ins. : 24*C/56% Engineer : RICHARD
EUT : P8.928 LED Dance Floor M/N:BEON8.928
Power rating : AC 230V/50Hz
Test Mode : Running "H" Pattern

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	35.970	12.40	3.72	6.50	22.62	30.00	7.38	QP
2	57.160	13.33	3.47	8.56	25.36	30.00	4.64	QP
3	146.400	13.20	3.98	8.18	25.36	30.00	4.64	QP
4	169.750	12.90	4.28	8.50	25.68	30.00	4.32	QP
5	209.690	9.99	4.44	9.70	24.13	30.00	5.87	QP
6	235.640	11.05	4.34	13.66	29.05	37.00	7.95	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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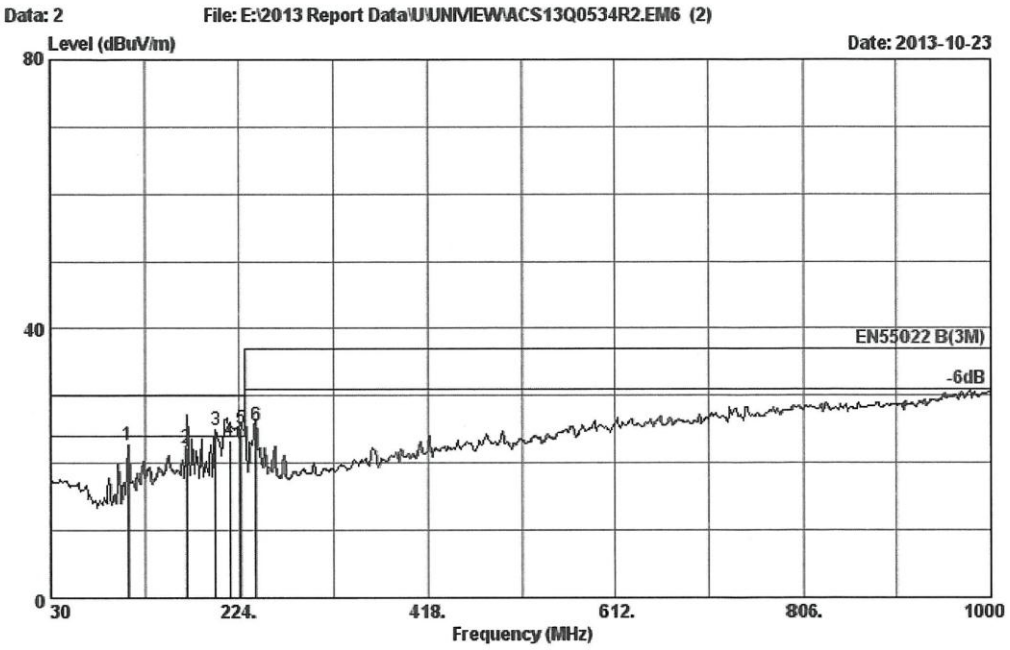


Site no. : 10m Chamber Data no. : 2
Dis. / Ant. : 10m 2013 9168-429 Ant. pol. : HORIZONTAL
Limit : EN55022 B(3M)
Env. / Ins. : 24*C/56% Engineer : RICHARD
EUT : P8.928 LED Dance Floor M/N:BEON8.928
Power rating : AC 230V/50Hz
Test Mode : Running "H" Pattern

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	109.540	10.32	3.44	8.95	22.71	30.00	7.29	QP
2	169.781	12.44	3.68	6.20	22.32	30.00	7.68	QP
3	199.750	9.31	3.80	11.87	24.98	30.00	5.02	QP
4	215.031	9.85	3.86	9.80	23.51	30.00	6.49	QP
5	225.940	10.53	3.90	10.68	25.11	30.00	4.89	QP
6	241.460	11.09	3.97	10.47	25.53	37.00	11.47	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

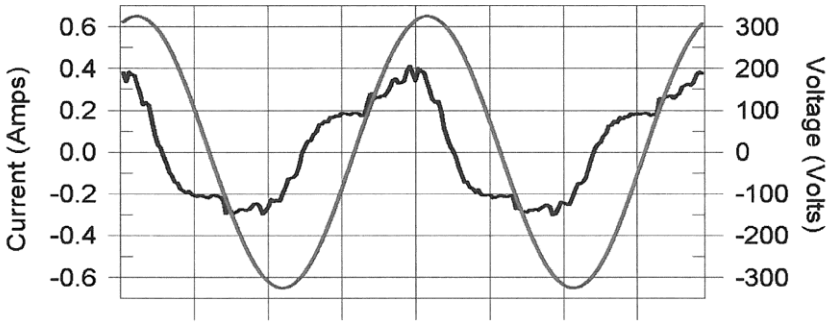
AUDIX Technology(ShenZhen)Co.,Ltd 10/31/2013
EMC Dept. 10:09:17 AM

Harmonics – Class-D per Ed. 3.2 (2009)(Run time)

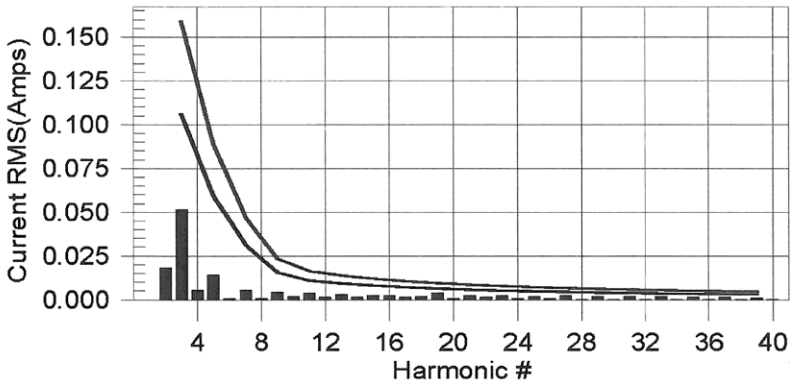
EUT: P8.928 LED Dance Floor M/N:BEON8.928 **Tested by: Sun**
Test category: Class-D per Ed. 3.2 (2009) (European limits) **Test Margin: 100**
Test date: 2013-10-26 **Start time: 9:50:31** **End time: 9:53:22**
Test duration (min): 2.5 **Data file name: H-000419.cts_data**
Comment: Running "H" Pattern
Customer: UNVIEW

Test Result: N/L **Source qualification: Normal**

Current & voltage waveforms



Harmonics and Class D limit line **European Limits**



Test result: N/L Worst harmonic was #0 with 0.00% of the limit.

AUDIX Technology(ShenZhen)Co.,Ltd 10/31/2013
EMC Dept. 10:09:17 AM

Current Test Result Summary (Run time)

EUT: P8.928 LED Dance Floor M/N:BEON8.928 **Tested by: Sun**
Test category: Class-D per Ed. 3.2 (2009) (European limits) **Test Margin: 100**
Test date: 2013-10-26 **Start time: 9:50:31** **End time: 9:53:22**
Test duration (min): 2.5 **Data file name: H-000419.cts_data**
Comment: Running "H" Pattern
Customer: UNVIEW

Test Result: N/L **Source qualification: Normal**
THC(A): 0.00 **I-THD(%): 0.00** **POHC(A): 0.000** **POHC Limit(A): 0.000**
Highest parameter values during test:

V_RMS (Volts):	230.04	Frequency(Hz):	50.00
I_Peak (Amps):	0.436	I_RMS (Amps):	0.235
I_Fund (Amps):	0.221	Crest Factor:	1.927
Power (Watts):	31.2	Power Factor:	0.612

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.018						
3	0.050	0.106	0.0	0.051	0.159	0.00	N/L
4	0.005						
5	0.014	0.059	0.0	0.014	0.089	0.00	N/L
6	0.001						
7	0.005	0.031	0.0	0.006	0.047	0.00	N/L
8	0.001						
9	0.004	0.016	0.0	0.004	0.023	0.00	N/L
10	0.002						
11	0.004	0.011	0.0	0.004	0.016	0.00	N/L
12	0.001						
13	0.003	0.009	0.0	0.003	0.014	0.00	N/L
14	0.002						
15	0.002	0.008	0.0	0.002	0.012	0.00	N/L
16	0.002						
17	0.001	0.007	0.0	0.001	0.011	0.00	N/L
18	0.002						
19	0.004	0.006	0.0	0.004	0.009	0.00	N/L
20	0.001						
21	0.002	0.006	0.0	0.002	0.009	0.00	N/L
22	0.001						
23	0.002	0.005	0.0	0.002	0.008	0.00	N/L
24	0.001						
25	0.002	0.005	0.0	0.002	0.007	0.00	N/L
26	0.000						
27	0.002	0.004	0.0	0.002	0.007	0.00	N/L
28	0.000						
29	0.002	0.004	0.0	0.002	0.006	0.00	N/L
30	0.000						
31	0.002	0.004	0.0	0.002	0.006	0.00	N/L
32	0.000						
33	0.002	0.004	0.0	0.002	0.005	0.00	N/L
34	0.000						
35	0.001	0.003	0.0	0.001	0.005	0.00	N/L
36	0.000						
37	0.001	0.003	0.0	0.001	0.005	0.00	N/L
38	0.000						
39	0.001	0.003	0.0	0.001	0.005	0.00	N/L
40	0.000						

Note: The EUT power level is below 75.0 Watts and therefore has no defined limits

AUDIX Technology(ShenZhen)Co.,Ltd
EMC Dept.

10/31/2013
10:09:17 AM

Voltage Source Verification Data (Run time)

EUT: P8.928 LED Dance Floor M/N:BEON8.928 **Tested by: Sun**
Test category: Class-D per Ed. 3.2 (2009) (European limits) **Test Margin: 100**
Test date: 2013-10-26 **Start time: 9:50:31** **End time: 9:53:22**
Test duration (min): 2.5 **Data file name: H-000419.cts_data**
Comment: Running "H" Pattern
Customer: UNVIEW

Test Result: N/L **Source qualification: Normal**

Highest parameter values during test:

Voltage (Vrms):	230.04	Frequency(Hz):	50.00
I_Peak (Amps):	0.436	I_RMS (Amps):	0.235
I_Fund (Amps):	0.221	Crest Factor:	1.927
Power (Watts):	31.2	Power Factor:	0.612

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.088	0.460	19.07	OK
3	0.459	2.070	22.17	OK
4	0.063	0.460	13.77	OK
5	0.042	0.920	4.59	OK
6	0.032	0.460	6.86	OK
7	0.050	0.690	7.22	OK
8	0.011	0.460	2.30	OK
9	0.016	0.460	3.53	OK
10	0.014	0.460	2.98	OK
11	0.010	0.230	4.17	OK
12	0.014	0.230	5.92	OK
13	0.012	0.230	5.07	OK
14	0.006	0.230	2.41	OK
15	0.012	0.230	5.04	OK
16	0.010	0.230	4.21	OK
17	0.007	0.230	3.23	OK
18	0.010	0.230	4.43	OK
19	0.007	0.230	3.04	OK
20	0.006	0.230	2.77	OK
21	0.008	0.230	3.32	OK
22	0.004	0.230	1.79	OK
23	0.006	0.230	2.49	OK
24	0.004	0.230	1.64	OK
25	0.005	0.230	2.08	OK
26	0.002	0.230	0.97	OK
27	0.004	0.230	1.74	OK
28	0.002	0.230	0.76	OK
29	0.005	0.230	2.34	OK
30	0.002	0.230	1.05	OK
31	0.005	0.230	2.15	OK
32	0.002	0.230	1.03	OK
33	0.005	0.230	2.03	OK
34	0.002	0.230	1.02	OK
35	0.004	0.230	1.87	OK
36	0.002	0.230	0.74	OK
37	0.006	0.230	2.76	OK
38	0.002	0.230	0.88	OK
39	0.004	0.230	1.53	OK
40	0.002	0.230	1.07	OK

AUDIX Technology(ShenZhen)Co.,Ltd
EMC Dept.

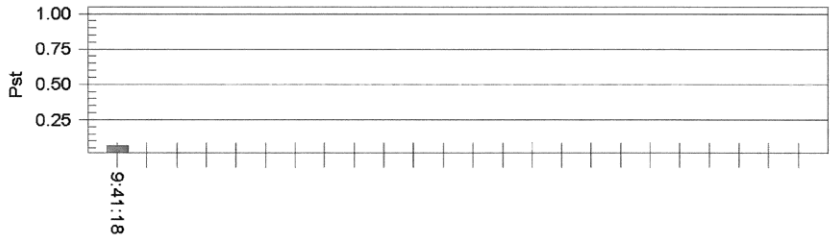
10/31/2013
10:10:07 AM

Flicker Test Summary per EN/IEC61000-3-3 (Run time)

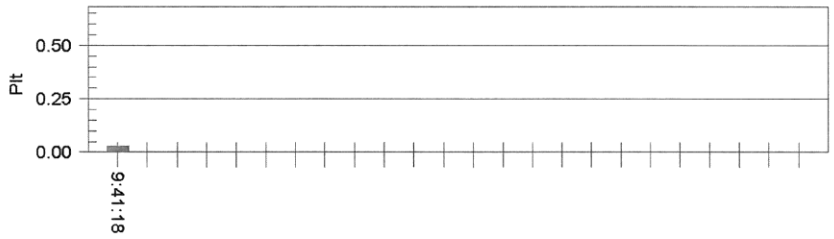
EUT: P8.928 LED Dance Floor M/N:BEON8.928 **Tested by: Sun**
Test category: All parameters (European limits) **Test Margin: 100**
Test date: 2013-10-26 **Start time: 9:30:58** **End time: 9:41:19**
Test duration (min): 10 **Data file name: F-000418.cts_data**
Comment: Running "H" Pattern
Customer: UNVIEW

Test Result: Pass **Status: Test Completed**

Pst, and limit line **European Limits**



Plt and limit line



Parameter values recorded during the test:

Vrms at the end of test (Volt):	**230.00**			
Highest dt (%):	**0.00**	**Test limit (%):**	**3.30**	**Pass**
Time(mS) > dt:	**0.0**	**Test limit (mS):**	**500.0**	**Pass**
Highest dc (%):	**0.00**	**Test limit (%):**	**3.30**	**Pass**
Highest dmax (%):	**0.00**	**Test limit (%):**	**4.00**	**Pass**
Highest Pst (10 min. period):	**0.064**	**Test limit:**	**1.000**	**Pass**
Highest Plt (2 hr. period):	**0.028**	**Test limit:**	**0.650**	**Pass**

California Instruments CTS 3.0 - V3.2.0.35

Page 1 of 1

Form AMC-410-9 R/S Test Data

AUDIX®

Application form No.: ACS 13Q05384R2

Immunity	RS Radiated Susceptibility	☐ EN61000-4-3: 2006 +A1: 2008 +A2: 2010 ☑ IEC61000-4-3: 2010 ☐ ______

Applicant: SHEN ZHEN UNIVIEW LED CO.,LTD — Test Result: ☑PASS ☐FAIL

EUT: P8.928 LED Dance Floor — M/N: BEDN8.928

Power Supply: AC 230V/50Hz

Ambient Condition: 25 ±0.6 °C 54±3 %RH 101±1 KPa

Test Place: RS Test Room

Operation Mode: Running "M" pattern

Required Performance: A Actual Performance: A

Field Strength: 3 V/m

Frequency Range: 80 MHz to 1000 MHz: ____ MHz to ____ MHz

Modulation: ☐ None ☑AM ☐ Pulse: 1 KHz 80 % ; Dwell time: ☑3s ☐ ____

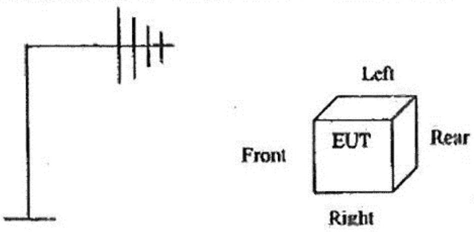
Frequency Range: 80MHz – 1000MHz

Steps 1 %

	Horizontal		Vertical		Result (Pass/Fail)
	Required	Observation	Required	Observation	
Front	A	A	A	A	pass
Rear	A	A	A	A	pass
Right	A	A	A	A	pass
Left	A	A	A	A	pass

Test Equipment:
Signal generator: Agilent N5181A
Power Amplifier: ☑A&R 100W/1000M1 ☐MILMEGA AS0825-125 ☐MILMEGA AS0206-50
Antenna: ☑A&R AT-1080 ☐A&R AT4002A ☐Schwarzbeck STLP9149
Power Meter: Anritsu ML2487A
Power Sensor: Anritsu MA2491A
Field Monitor: A&R FM2000

Note:



Detail please see attached photo of page 2.

Test Engineer: dongjun — Date: 2013-11-26

Form Issued: 1997-01-28

Form AMC-410-12 C/S Test Data

AUDIX®

Application form No.: ACB1320534R2

Immunity	Injected Currents	☐ EN61000-4-6:2009 ☑ IEC61000-4-6:2008 ☐

Applicant: SHENZHEN UNIVISION LED CO.,LTD Test Result: ☑ PASS ☐ FAIL

EUT: P8.928 LED Dance Floor M/N: B20N8.928

Power Supply: AC230V/50Hz

Ambient Condition: 24± 0.6 ℃ 53 ± 3 %RH 101.5 ± 1 KPa

Test Place: CS Test Site

Required Performance: A Actual Performance: A

Modulation: ☑ AM ☐ None Pulse: ☑ 1KHz ☐ ___ Modulation depth: ☑ 80% ☐ other:

Dwell time: ☑ 3s ☐ ___

Operation Mode: Running "4" Pattern

Frequency Range	Injected Position	Strength (unmodulated)	Required	Observation	Result
0.15-80MHz	AC mains	3V	A	A	pass
0.15-80MHz	Signal line	~~3V~~ 3V	A	A	pass

Operation Mode:

Frequency Range	Injected Position	Strength (unmodulated)	Required	Observation	Result

Measurement Equipment:

Signal Generator: N5181A

Power Amplifier: ☑ 25A250A ☐ 100A250

CDN: ☐ FCC-801-M2-25(FCC) S/N: 047 ☑ FCC-801-M3-25(FCC) S/N: 107

☐ FCC-801-M2-25(FCC) S/N: 07035 ☑ FCC-801-M3-25(FCC) S/N: 07045

☑ F-2031-23mm

Note:

Test Engineer: dongon Date: 2013-11-26

Form Issued: 1997-01-28

Form AMC-410-11 Surge Test Data

AUDIX®

Application form No.: ACS13Q053-4R2

Immunity	Surge	☐ EN 61000-4-5: 2006 ☑ IEC 61000-4-5: 2005 ☐

Applicant: SHEN ZHEN UNIVIEW LED CO.,LTD Test Result: ☑PASS ☐FAIL

EUT: P8.928 LED Dance Floor M/N: BEOV8.928

Repetition: 5 times per test Interval: 60 seconds

Power Supply: AC 230V/50HZ

Ambient Condition: 23.8 ± 0.6℃ 46 ±3 %RH 100.9 ± 1 KPa

Test Place: ESD Room

Operation Mode: Running "H" Pattern Required Performance: B Actual Performance: A&B

Line: 1. ☑ AC Mains: ☑ 1.2/50us ☐ 10/700us 2. ☐ DC Supply: ☐ 1.2/50us ☐ 10/700us

3. ☑ Signal: ☐ 1.2/50us ☑ 10/700us Beau

Conductor	Volt	500V			1KV			2KV			Result (Pass/Fail)
	Phase	Performance			Performance			Performance			
		Required	+	-	Required	+	-	Required	+	-	
L-N	0°	B	A	A	B	B	B				pass
	90°	B	A	A	B	B	B				pass
	180°	B	A	A	B	B	B				pass
	270°	B	A	A	B	B	B				pass
L-PE	0°	B	A	A	B	A	A	B	B	B	pass
	90°	B	A	A	B	A	A	B	B	B	pass
	180°	B	A	A	B	A	A	B	B	B	pass
	270°	B	A	A	B	A	A	B	B	B	pass
N-PE	0°	B	A	A	B	A	A	B	B	B	pass
	90°	B	A	A	B	A	A	B	B	B	pass
	180°	B	A	A	B	A	A	B	B	B	pass
	270°	B	A	A	B	A	A	B	B	B	pass
Signal Line		B	A	A	B	B	B				pass Beau

Note: when testing "B" means the monitor will twinkle during test recover to normal when stop.

Test Equipment: Surge Tester: ☑ TRA2006 ☐ Psurge4.1

Test Engineer: Sun Date: 2013-11-26

Form Issued: 1997-01-28
Revised: 2012-07-30

Form AMC-410-10 EFT/B Test Data

AUDIX®

Application form No.: ACS13Q0534R2

Immunity	EFT/B Electrical Fast Transient/Burst	☐ EN61000-4-4: 2012 ☑ IEC61000-4-4: 2012 ☐

Applicant: SHEN ZHEN UNIVIEW LED CO., LTD Test Result: ☑PASS ☐FAIL

EUT: PB.928 LED Dance Floor M/N: BEON8.928

Power supply: AC 230V/50Hz Test Place: ESD Room

Ambient Condition: 23.2 ± 0.6 ℃ 45 ± 3 %RH 100.7 ± 1 KPa

Operation Mode: Running "H" Pattern Required Performance: B Actual Performance: A&B

Line: ☑ AC Mains ☐ DC Supply ☐ Signal:

Coupling: ☑ Direct ☐ Capacitive Clamp

Test Time: 120S Repetition Frequency: 5 KHz Burst Duration: 15ms Burst Period: 300ms

Line	Test Voltage	Performance			Result (Pass/Fail)
		Required	Positive voltage Observation(+)	Negative voltage Observation(-)	
L	0.5KV	B	A	A	Pass
	1KV	B	B	B	Pass
N	0.5KV	B	A	A	Pass
	1KV	B	B	B	Pass
PE	0.5KV	B	A	A	Pass
	1KV	B	B	B	Pass
L、N	0.5KV	B	A	A	Pass
	1KV	B	B	B	Pass
L、PE	0.5KV	B	A	A	Pass
	1KV	B	B	B	Pass
N、PE	0.5KV	B	A	A	Pass
	1KV	B	B	B	Pass
L、N、PE	0.5KV	B	A	A	Pass
	1KV	B	B	B	Pass
Signal Line	0.5KV	B	A	A	Pass

Note: when Testing "B" means the monitor will twinkle during test recover to normal when stop

Test Equipment: Burst Tester: NSG3025 S/N: 28017

Test Engineer: Sun Date: 2013-11-23

Form Issued: 1997-01-28
Revised: 2013-09-16

Form AMC-410-13 Voltage Dips & Short Interruptions Test Data

AUDIX®

Application form No.: AC1380534R2

Immunity	Voltage Dips Short Interruptions	☐ EN61000-4-11: 2004 ☑ IEC61000-4-11: 2004 ☐ _____

Applicant: SHEN ZHEN UNIVIEW LED Co., LTD Test Result: ☑PASS ☐FAIL

EUT: P8.928 LED Dance Floor M/N: BEON8.928

Power Supply: AC220V/50Hz

Ambient Condition: 23 ± 0.6 ℃ 54 ± 3 %RH 101 ± 1 KPa

Test Place: Dips Test Site

Operation Mode: Running "4" pattern

Test Level %Ur	Voltage Dips & Short Interruptions %Ur	Duration (in period)	Phase angle	Required	Observation	Result (Pass/Fail)
0%	100%	0.5P	0-360°	B	A	pass
70%	30%	25P	0-360°	C	A	pass
0%	100%	250P	0-360°	C	B	pass

Operation Mode: _____

Test Level %Ur	Voltage Dips & Short Interruptions %Ur	Duration (in period)	Phase angle	Required	Observation	Result

Test Equipment: PLINE1610(HEAFELY), S/N: 083690-05

Note:

Test Engineer: dongyan Date: 2013-11-26

Form Issued: 1997-01-28
Revised: 2012-01-17

Form AMC-410-8 ESD Test Data

AUDIX®

Application form No.: ACS1300534 R2

Immunity	ESD Electrostatic Discharge	☐ EN61000-4-2:2009 ☑ IEC61000-4-2:2008 ☐ _____

Applicant: SHEN ZHEN UNIVIEW LED CO., LTD Test Result: ☑PASS ☐FAIL

EUT: P6-928 LED Dance Floor M/N: BEON8.928

Air Discharge: ±2KV, ±4KV, ±8KV for Air Discharge each Point Positive 10 times and negative 10 times discharge.

Contact: ±2KV, ±4KV # For each point positive 25 times and negative 25 times discharge For the time interval between successive single discharges an inital value of one second.

Ambient Condition: 23.2±0.6 ℃ 45±3 %RH 100.7± 1 KPa

Test Place: ESD Room

Operation Mode: Running "H" Pattern

Required Performance: B Actual Performance: A&B

Discharge Voltage (kV)	Type of discharge	Dischargeable Points	Performance		Result (Pass/Fail)
			Required	Observation	
±2 kV	Contact	4.5	B	A	Pass
±4 kV	Contact	4.5	B	B	Pass
±2 kV	Air	1.2.3.6.7	B	A	Pass
±4 kV	Air	1.2.3.6.7	B	A	Pass
±8 kV	Air	1.2.3.6.7	B	B	Pass
±2 kV	HCP-Bottom	Edge of the HCP	B	A	Pass
±2 kV	VCP-Front	Center of the VCP	B	A	Pass
±2 kV	VCP-Left	Center of the VCP	B	A	Pass
±2 kV	VCP-Back	Center of the VCP	B	A	Pass
±2 kV	VCP-Right	Center of the VCP	B	A	Pass
±4 kV	HCP-Bottom	Edge of the HCP	B	A	Pass
±4 kV	VCP-Front	Center of the VCP	B	A	Pass
±8 kV	VCP-Left	Center of the VCP	B	A	Pass
±4 kV	VCP-Back	Center of the VCP	B	A	Pass
±4 kV	VCP-Right	Center of the VCP	B	A	Pass

Observation: When testing "B" means the monitor will twinkle during test recover to normal when stop

Discharge Points Description

1	Button	2	Slots	3	LED	4	Metal	5	Screws
6	AC IN	7	LAN	8		9		10	

Each discharge point is shown as attached photo of page 2.

Remark: After discharge to the ungrounded part of EUT, it needs the bleeder resistor to remove the charge prior to next ESD pulse

Test Equipment: ESD Tester: Dito, S/N: V0503100053

Discharge should be considered on Contact and Air and Horizontal Coupling Plane (HCP) and Vertical Coupling Plane (VCP)

Test Engineer: Sun Date: 2013-11-26

Form Issued: 1997-01-28

Measurement Uncertainties

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Table 1: Measurement Uncertainty levels

Test	Parameters	Expanded uncertainty (U_{lab})	Expanded uncertainty (U_{cispr})
Conducted Emission	Level accuracy (9kHz to 150kHz) (150kHz to 30MHz)	± 3.6 dB ± 3.2 dB	± 4.0 dB ± 3.6 dB
Power disturbance	Level accuracy (30MHz to 300MHz)	± 4.0 dB	± 4.5 dB
Electromagnetic Radiated Emission (3-loop)	Level accuracy (9kHz to 30MHz)	± 3.0 dB	N/A
Radiated Emission	Level accuracy (9kHz to 30MHz)	± 3.0 dB	N/A
Radiated Emission	Level accuracy (30MHz to 200MHz, Horizontal) (30MHz to 200MHz, Vertical) (200MHz to 1000MHz, Horizontal) (200MHz to 1000MHz, Vertical)	± 3.6 dB ± 3.8 dB ± 3.8 dB ± 3.8 dB	± 5.2 dB
Radiated Emission	Level accuracy (above 1000MHz, Horizontal) (above 1000MHz, Vertical)	± 3.7dB ± 3.1dB	N/A
Mains Harmonic	Voltage	± 1.8%	N/A
Voltage Fluctuations & Flicker	Voltage	± 0.06%	N/A

As U_{lab} in all applicable tests listed above are less than U_{cispr} according to CISPR 16-4-2:2003,

- compliance is deemed to occur if no measured disturbance exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance exceeds the disturbance limit.